

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, or listings, of claims in this application.

1. (Currently Amended) ~~in the A~~ process for producing graft polymers of the ABS type by the emulsion method, wherein
 - 5 to 95% by weight of a monomer mixture containing
 - A) 50 to 99% by weight of at least one styrene,
 - B) 1 to 50% by weight ~~of at least one~~ acrylonitrile,the percent being relative to the total weight of (A) and (B),
 - are polymerized in the presence of
 - C) 95 to 5% by weight of one or more polybutadienes,the improvement comprising continuously monitoring the Raman spectra of the reaction mixture and maintaining a concentration of unpolymerized styrene of less than 12 % by weight based on the weight of the polybutadiene by increasing or decreasing the feed rate of at least one styrene monomer or initiator, ~~if the concentration of styrene deviates from a selected value of less than 12 % by weight based on the weight of the polybutadiene.~~
2. (Original) The process according to claim 1, wherein the monomer concentrations are calculated from the Raman spectra by means of weighted subtraction.
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)